

#2

OIPE

RAW SEQUENCE LISTING

DATE: 10/12/2001

PATENT APPLICATION: US/09/956,999

TIME: 12:05:18

Input Set : A:\SEQLIST 6514-069001.TXT

Output Set: N:\CRF3\10122001\I956999.raw

4 <110> APPLICANT: Lincoln, Stephen
5 Klingler, Tod M.
6 Au-Young, Janice
7 Tang, Y. Tom
8 Goold, Richard
9 Akerblom, Ingrid E.
10 Seilhamer, Jeffrey J.
11 Hawkins, Phillip R.
12 Murry, Lynn E.
13 Delegeane, Angelo M.
14 Levine, Wendy B.
15 Hillman, Jennifer L.
16 Goli, Surya K.
17 Altus, Christina M.
18 Bandman, Olga
19 LaBrie, Samuel T.
20 Shah, Purvi
22 <120> TITLE OF INVENTION: Database for Storage and Analysis of
23 Full Length Sequences
25 <130> FILE REFERENCE: 6514-069CON
C--> 27 <140> CURRENT APPLICATION NUMBER: US/09/956,999
C--> 28 <141> CURRENT FILING DATE: 2001-09-19
30 <150> PRIOR APPLICATION NUMBER: 08/282,955
31 <151> PRIOR FILING DATE: 1995-07-29
33 <150> PRIOR APPLICATION NUMBER: 08/187,530
34 <151> PRIOR FILING DATE: 1994-01-27
36 <150> PRIOR APPLICATION NUMBER: 08/179,873
37 <151> PRIOR FILING DATE: 1994-01-11
39 <150> PRIOR APPLICATION NUMBER: 08/100,523
40 <151> PRIOR FILING DATE: 1993-08-03
42 <150> PRIOR APPLICATION NUMBER: 08/137,951
43 <151> PRIOR FILING DATE: 1993-10-14
45 <150> PRIOR APPLICATION NUMBER: 07/977,780
46 <151> PRIOR FILING DATE: 1992-11-19
48 <150> PRIOR APPLICATION NUMBER: 07/916,491
49 <151> PRIOR FILING DATE: 1992-07-17
51 <150> PRIOR APPLICATION NUMBER: 08/289,822
52 <151> PRIOR FILING DATE: 1994-08-12
54 <150> PRIOR APPLICATION NUMBER: 08/581,240
55 <151> PRIOR FILING DATE: 1995-12-29
57 <150> PRIOR APPLICATION NUMBER: 08/744,026
58 <151> PRIOR FILING DATE: 1996-11-05
60 <150> PRIOR APPLICATION NUMBER: 08/786,999
61 <151> PRIOR FILING DATE: 1997-01-23
63 <150> PRIOR APPLICATION NUMBER: 08/822,262
64 <151> PRIOR FILING DATE: 1997-03-20
66 <150> PRIOR APPLICATION NUMBER: 08/951,750

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67 <151> PRIOR FILING DATE: 1997-10-16
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74 <211> LENGTH: 373
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (1)...(373)
81 <223> OTHER INFORMATION: n = A,T,C or G
83 <400> SEQUENCE: 1
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85 tcggcttttag tgctgtctcc gcttttyttt caccttcaca gaggttcgtg tcttcctaaa      120
86 agaaggtttt attgggaggt aaaggccaat gcgtaggggt agagtaagat gtcttatggt      180
87 gaaattraag gtaaattctt gggacctaga gaagaagtaa cgagttagcc acgctgtaaa      240
88 aaattgaagt caaccacaga gtcgtatggt ttccacaatc atagtaatgc tgattttcac      300
W--> 89 agnatccaag agaaaactgg aaatgattgg gtccctgtgn ncatcattga tgcagagga      360
90 catagttatt tgc      373
92 <210> SEQ ID NO: 2
93 <211> LENGTH: 321
94 <212> TYPE: DNA
95 <213> ORGANISM: Homo sapiens
97 <220> FEATURE:
98 <221> NAME/KEY: misc_feature
99 <222> LOCATION: (1)...(321)
100 <223> OTHER INFORMATION: n = A,T,C or G
102 <400> SEQUENCE: 2
W--> 103 gtgaggtttg ttaccncgat tctgagaggt gggcttttag tccctccaga cctcggcttt      60
104 agtgctgtct ccgmttttct ttcacctca cagagatgtc ttatggtgaa attgaaggta      120
105 aattcttggg acctagwgaa gaagtaacga gtgagccacg ctgtaaaaaa ttgaagtcaa      180
106 ccacagagtc gtatgttttt cacaatcata gtaatgctga ttttcacagw atccaagaga      240
W--> 107 aaactggaaa tgatttgggt ccctgtgacc atcattnatg tcagaggmca tagttaattt      300
W--> 108 gcaggaganc aaaaatcaaa a      321
110 <210> SEQ ID NO: 3
111 <211> LENGTH: 528
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 3
116 atgacagact gtgaatttgg atatatttac aggctggctc aggactatct gcagtgcgtc      60
117 ctacagatac cacaacctgg atcaggcca agcaaacctg ccagagtgtc acaaaatggt      120
118 gcgttctcag tccaaaaaga agtggaagag aatctgaagt catgcttggg caatgttaat      180
119 gttgtgtccg tagacactgc cagaacacta ttcaaccaag tgatggaaaa ggagtttgaa      240
120 gacgacatca ttaactggg aagaattgta accatatttg catttgaagg tattctcatc      300
121 aagaaacttc tacgacagca aattgccccg gatgtggata cctataagga gatttcatat      360
122 tttgttgagg agttcataat gaataacaca ggagaatgga taaggcaaaa cggaggctgg      420
123 gaaaatggct ttgtaaagaa gtttgaacct aaatctggct ggatgacttt tctagaagtt      480
124 acaggaaaga tctgtgaaat gctatctctc ctgaagcaat actgttga      528
126 <210> SEQ ID NO: 4

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127 <211> LENGTH: 405
128 <212> TYPE: DNA
129 <213> ORGANISM: Homo sapiens
131 <400> SEQUENCE: 4
132 gtccaaatca ctcatgttt gtgaaagctg agctcacagc aaaacaagcc accatgaagc      60
133 tgtcgggtgtg tctcctgctg gtcacgctgg ccctctgctg ctaccaggcc aatgccgagt      120
134 tctgcccagc tcttgtttct gagctgttag acttcttctt cattagtga cctctgttca      180
135 agttaagtct tgccaaattt gatgcccctc cggaagctgt tgcagccaag ttaggagtga      240
136 agagatgcac ggatcagatg tcccttcaga aacgaagcct cattgcggaa gtcctggtga      300
137 aaatattgaa gaaatgtagt gtgtgacatg taaaaacttt catcctgggt tccactgtct      360
138 ttcaatgaca cctgatctt cactgcagaa tgtaaagggt tcaac                      405
140 <210> SEQ ID NO: 5
141 <211> LENGTH: 495
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
145 <400> SEQUENCE: 5
146 gatccttgcc accgcgact gaacaccgac agcagcagcc tcaccatgaa gttgctgatg      60
147 gtcctcatgc tggcgccct ctcccagcac tgctacgcag gctctggctg ccccttattg      120
148 gagaatgtga ttccaagac aatcaatcca caagtgtcta agactgaata caaagaactt      180
149 cttcaagagt tcatagacga caatgccact acaaatgcc a tagatgaatt gaaggaatgt      240
150 tttcttaacc aaacggatga aactctgagc aatgttgagg tgtttatgca attaatatat      300
151 gacagcagtc tttgtgattt attttaactt tctgcaagac ctttggtcga cagaactgca      360
152 gggatggtg agaaaccaac tacggattgc tgcaaacacc accttctctt tcttatgtct      420
153 ttttactaca aactacaaga caattgttga aacctgctat acatgtttat tttataaat      480
154 tgatggcaaa aactg                                           495
156 <210> SEQ ID NO: 6
157 <211> LENGTH: 1143
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapiens
161 <400> SEQUENCE: 6
162 ggccccgcgc cgcccggcgc gcccgccgc cgggggggatg tttacaaac cgaacttggc      60
163 cgcgcacatg ccgcgcgcgc cctcaacgc cgtctggagt gtccactcgc cttccaccag      120
164 catggcaacg tcttcacagt accgccagct gctcagtgac tacgggccac cgtccctagg      180
165 ctacaccag ggaactggga acagccaggt gcccacaaagc aaatacgcgg agctgctggc      240
166 catcattgaa gagctgggga aggagatcag acccacgtac gcaggagca agagtgccat      300
167 ggagaggctg aagcgcggca tcattcacgc tagaggactg gttcgggagt tcttggcaga      360
168 aacggaacgg aatgccagat cctagctgcc ttgttggtt tgaaggattt ccatcttttt      420
169 acaagatgag aagttacagt tcatctccc ttgtcagatg aaaccttgt tttcaaatg      480
170 gttacagttt cgtttttcct cccatggttc acttggtct gaacctacag tctcaaagat      540
171 tgagaaaaga ttttgagtt aattaggatt tgcattttaa gtagttagga actgccagg      600
172 ttttttttgt tttttaagca ttgatttaaa agatgcacgg aaagttatct tacagcaaac      660
173 ttagttttgc ctccaagaca ccattgtctc cetttaatct tctcttttgt atacatttgt      720
174 taccatggt gttctttgtt cttttcata agctaatacc actgtaggga tttgttttg      780
175 aacgcataat gacagcacgc tttacttagt agccggttcc catttgccat acaatgtagg      840
176 ttctgcttaa tgtaacttct ttttgctta agcatttgca tgactattag tgcttcaaag      900
177 tcaattttta aaaatgcaca agttataaat acagaagaaa gagcaacca ccaaacctaa      960
178 caaggacccc cgaacacttt catactaaga ctgtaagtag atctcagttc tgcgtttatt      1020
179 gtaagttgat aaaaacatct ggaagaaaat gactaaaact gttgcatct ttgtatgtat      1080
180 ttattacttg atgtaataaa gcttattttc attaacaatt tgtattaaaa tgtgggttcc      1140

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181 ttg 1143
183 <210> SEQ ID NO: 7
184 <211> LENGTH: 871
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (1)...(871)
191 <223> OTHER INFORMATION: n = A,T,C or G
193 <400> SEQUENCE: 7
194 acctgctggc ccctggacac ctctgtcacc atgtggttcc tggttctgtg cctcgccctg 60
195 tccctggggg ggactgggtgc tgcgcccccg attcagttcc ggattgtggg aggctgggag 120
196 tctgagcagc attcccagcc ctggcaggcg gcactgggtca tggaaaacga attgttctgc 180
197 tcgggcgtcc tgggtgcatcc gcagtgggtg ctgtcagccg cacactgttt ccagaactcc 240
198 tacacatcgc ggctgggcct gcacagtctt gaggcgcagc aagagccagg gagccagatg 300
199 gtggaggcca gcctctccgt acggcaccca gagtacaaca gaccttgct cgctaacgac 360
W--> 200 ctcagtntca tcaagttgga cgaatccgtg tccgagtctg acaacatccg gagnetcagc 420
W--> 201 attgnttcgc agtgccctac cgcggggaac ttttgccctg tttctggctg ggggtctgctg 480
202 gcgaacggca gaatgcctac cgtgctgcag tgcgtgaacg tgcgtgggtg gtctgaggag 540
203 gtctgcagta agctctatga cccgctgtac caccacagca tgttctgcgc cggcggaggg 600
204 caagaccaga aggactcctg caacgggtgac tctggggggc ccctgatctg caacgggtac 660
205 ttgcagggcc ttgtgtcttt cggaaaagcc ccgtgtggcc aagttggcgt gccagggtgc 720
206 tacaccaacc tctgcaaat cactgagtgg atagagaaaa ccgtccaggc cagttaactc 780
207 tggggactgg gaacccatga aattgacccc caatacatc ctgcggaagg aattcaggaa 840
208 tatctgttcc cagccctcc tccctcaggc c 871
210 <210> SEQ ID NO: 8
211 <211> LENGTH: 1428
212 <212> TYPE: DNA
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 8
216 ggccgggttg ggggtgtgcg attgtgtggg acggtctggg gcagcccagc agcggtgac 60
217 cctctgcctg cggggaaggg agtcgccagg cggccgtcat ggcggtgtcg gagagccagc 120
218 tcaagaaaat ggtgtccaag taaaaataca gagacctaac tgtacgtgaa actgtcaatg 180
219 ttattactct atacaaagat ctcaaacctg ttttggtatc atatgttttt aacgatggca 240
220 gttccaggga actaatgaac ctactggaa caatccctgt gccttataga ggtaatatc 300
221 acaatattcc aatatgccta tggctactgg acacataccc atataatccc cctatctgtt 360
222 ttgttaagcc tactagtcca atgactatta aaacaggaaa gcatgttgat gcaaattgga 420
223 agatatactt tcttatcta catgaatgga aacaccaca gtcagacttg ttggggctta 480
224 ttcaggtcac gattgtggtt tttggagatg aacctccagt cttctctcgt cctatttcgg 540
225 catcctatcc gccataccag gcaacggggc caccaaatac ttcctacatg ccaggcatgc 600
226 cagggtggaat ctctccatac ccatccggat accctcccaa tcccagtggt taccaggct 660
227 gtccttacct aacctggtgt ccatatcctg ccacaacaag ttctcagtac ccttctcagc 720
228 ctctgtgac cactgttggt ccagtaggg atggcacaat cagcgaggac accatccgag 780
229 cctctctcat ctctgcggtc agtgacaaac tgagatggcg gatgaaggag gaaatggatc 840
230 gtgcccaggc agagctcaat gccttgaaac gaacagaaga agacctgaaa aagggtcacc 900
231 agaaactgga agagatggtt acccgtttag atcaagaagt agccgaggtt gataaaaaca 960
232 tagaactttt gaaaaagaag gatgaagaac tcagttctgc tctggaaaaa atggaaaatc 1020
233 agtctgaaaa caatgatatc gatgaagtta tcattcccac agctccctta taaaacaga 1080
234 tctgaatct gtatgcagaa gaaaacgcta ttgaagacac tatcttttac ttgggagaag 1140

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235 ccttgagaag gggcgtgata gacctggatg tcttcctgaa gcatgtacgt cttctgtccc 1200
236 gtaaacagtt ccagctgagg gcaactaatgc aaaaagcaag aaagactgcc ggtctcagtg 1260
237 acctctactg acttctctga taccagctgg aggttgagct cttcttaaag tattcttctc 1320
238 ttcccttttat cagtaggtgc ccagaataag ttattgcagt ttatcattca mgtgtaaaat 1380
239 attttgaatc aataatatat tttctgtttt cttttggtaa agatggat 1428

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241 <210> SEQ ID NO: 9

242 <211> LENGTH: 667

243 <212> TYPE: DNA

244 <213> ORGANISM: Homo sapiens

246 <400> SEQUENCE: 9

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247 ggctgagcgg ccccgagcc aacccccgag gagcggccgg ctggcgctccg ccgcgcccag 60
248 gagttgggga tgcctacaa acccatcgcc cctgctccca gcakcaccce tggctccagc 120
249 accctgggc cgggcacccc ggtccctaca ggaagcgctc cgtcgccgtc gggctcagtg 180
250 ccaggagccg gcgtcccttt cagaccgctg tttaacgact ttggaccgcc ttccatgggc 240
251 tacgtgcagg cgatgaagcc acccggcgcc cagggctccc agagcaccta cacggacctg 300
252 ctgtcagtca tagaggagat gggcaaagag atccggccta cctatgctgg cagcaagagc 360
253 gccatggagc gcctgaagag aggtatcatc catgcccggg ccctagtcag agagtgcctg 420
254 gcagagacag agcggaaacgc ccgcacgtaa caggaagcgc ctcgccctca gcgtctggac 480
255 ctatccggcc actgcagagc acccgcttct ccctggcctt catcccgagt tgcactaacc 540
256 atcctgggct tcctgtcctg tgtcccttgg tgggtcccct ccaggaacca aggagtggcc 600
257 ctccaggtgg cagcactaag gacaccccc cacaacaaga gttagcagcg aggtcccat 660
258 ggtccc 667

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260 <210> SEQ ID NO: 10

261 <211> LENGTH: 397

262 <212> TYPE: DNA

263 <213> ORGANISM: Homo sapiens

265 <220> FEATURE:

266 <221> NAME/KEY: misc_feature

267 <222> LOCATION: (1)...(397)

268 <223> OTHER INFORMATION: n = A,T,C or G

270 <400> SEQUENCE: 10

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272 cccagactc agctcctggg gaagctccca gccatcagcc atgagggctt tgtatctcct 120
273 cttctcgttc ctcttcatat tctgatgcc tcttcagggt gtttttgggt gtataggcga 180
274 tcccgttacc tgccttaaga gtggagccat atgtcatcca gtcttttgcc ctagaaggta 240
W--> 275 taaacnaatt ggcacctgtg gtctccctgg aacaaaatgc tgnaaaaagc catgaggagg 300
W--> 276 ccaagaagct gctgtggcng ancggtatc agaaagggt cctcatcag agangtgcca 360
W--> 277 catgtaaacc aaattaaact atggtgtcca angatan 397

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VERIFICATION SUMMARY

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Input Set : A:\SEQLIST 6514-069001.TXT

Output Set: N:\CRF3\10122001\I956999.raw

L:27 M:270 C: Current Application Number differs, Replaced Current Application Number
L:28 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10